


# [Webinar] Add DNS security To your Mikrotik Router

## Speaker

Francesco Collini - Ceo FlashStart  
Marco Boschini - Trainer Mikrotik



# About FlashStart



▶ FlashStart, a leading global company, among the most advanced in the world in the field of Cyber Security and DNS filtering.

▶ It was born from the **great passion for Internet security** of a team of experts in the IT world.



# Corporate Mission

Bring DNS security,  
malware protection and content filter  
to the outside world!



Tens of millions of people  
protected around the world



Chosen by more than  
700 Partners



Distributed in over  
156 countries



Billions of accesses  
protected per day



Millions of threats  
blocked per day

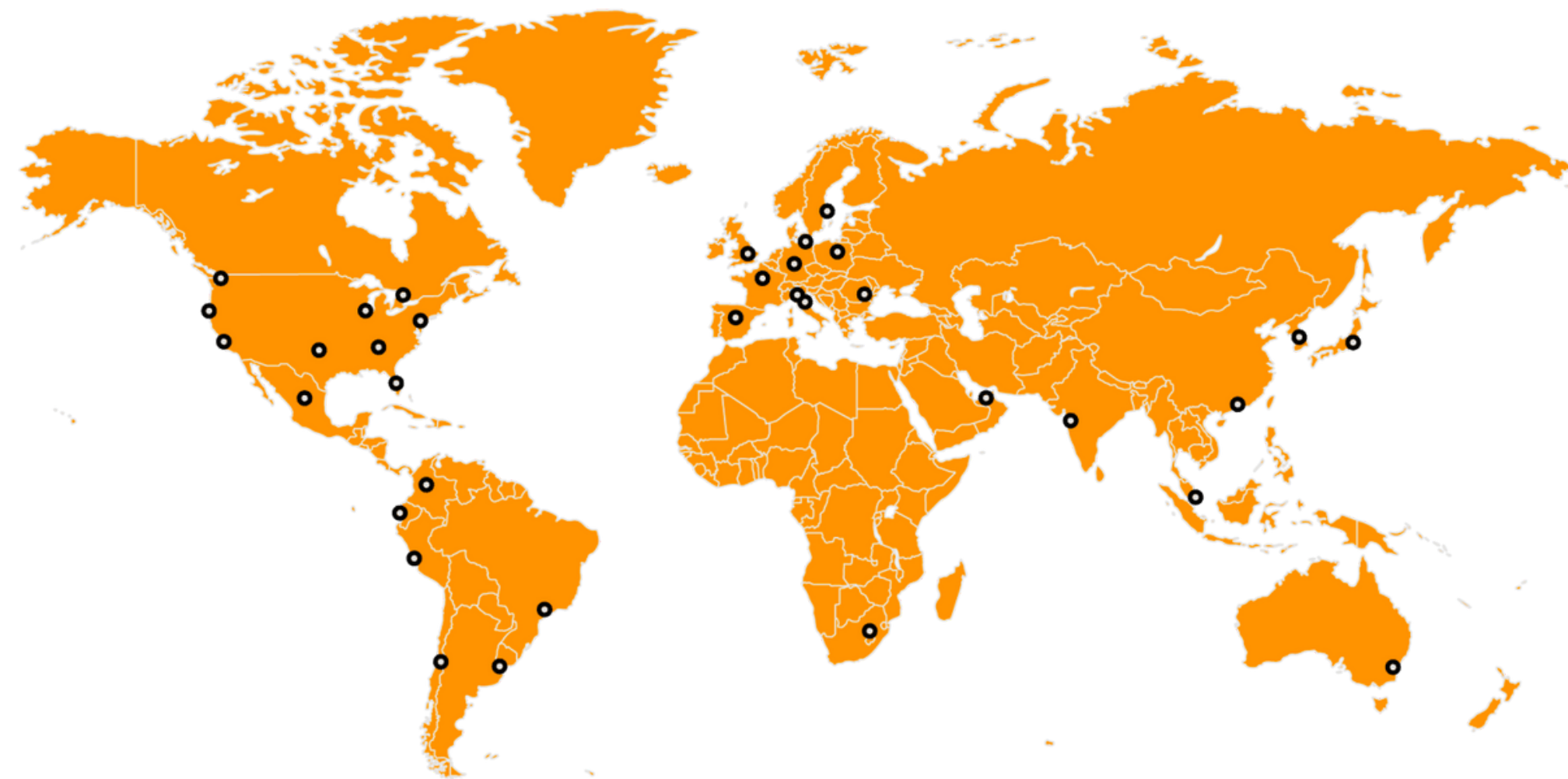


# Global anycast network

FlashStart emphasizes security and the choice to deploy its services on a top-notch **Anycast network**.

Anycast is a network technique that guarantees high service availability, such as fault-tolerance and backup routes.

It guarantees an **Up time 99.62%** on average (source: Dnsperf.com) and very low latency in response, 24×7 monitoring of the platform and **carriers with very high Tier-1 reliability**.



## • NORTH AMERICA

Seattle  
Silicon Valley  
Toronto  
Chicago  
New York

## • SOUTH AMERICA

Bogotá  
Quito  
Lima  
San Paolo  
Santiago de Chile  
Buenos Aires

## • EUROPE

Stockholm  
Amsterdam  
Warsaw  
London  
Frankfurt  
Milan  
Bologna  
Madrid  
Paris  
Bucharest

## • AFRICA

Johannesburg

## • ASIA

Tokyo  
Dubai  
Mumbai  
Singapore  
Seoul  
Hong Kong

## • OCEANIA

Sydney



# Made for Mikrotik!

The FlashStart platform reaches the MFM Made for Mikrotik certification years ago!



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## FlashStart [↗](#)

FlashStart is the innovative content and malware filter for MikroTik RouterOS devices. It requires no additional hardware or software and does not perceptibly impact Router performance. It operates as a cloud and by inspecting all DNS resolutions and filters the internet access based upon the end-user-defined security policy.

FlashStart is a high quality, fast and easy-to-use solution which is designed to be sold by the MikroTik resellers community worldwide.

Hundreds of Mikrotik's Reseller and Distributors are successfully using FlashStart to increase the value of their RouterOS installation, to directly compete against the more expensive UTM and Firewall.

**Flash&Start**  
INTERNET PROTECTION


















# PRODUCT LINES










# Pro & ProPlus

In the **Pro version**, AI-based DNS filtering protects Internet browsing from content and malware attacks, and provides clear and **comprehensive reports** in **compliance** with territorial laws. The **ProPlus** version, in turn, has, in addition, integration with **Microsoft's MS-Active Directory** (a configurable granular protection for users and groups), **APP Blocker** function, **IP Blocking**, and advanced Remote End-Point support (PC, tablet and mobile compatible).

Features	Pro version	ProPlus version
 Parental Control	✓	✓
 Protection against malware	✓	✓
 Geoblocking & Safe Search engine	✓	✓
 Traffic reporting and analysis	✓	✓
 Multi-tenant dashboard	✓	✓
 Compliant with regulations	✓	✓
 Secure DNS (DoH & DoT)		✓
 App Blocker		✓
 IP - Blocking		✓
 MS Active Directory synch		✓
 On-premise local DNS cache		✓
 Granular filter for users/groups/machines		✓
 End-Point Agent and Smartphone (ClientShield)		✓

# ISP, WISP e Telco

FlashStart **Lite** and **Premium** for ISPs, WISPs and Telcos is designed for Residential and SOHO Customers, offers content and malware filtering at a **highly competitive price**. FlashStart Lite and Premium **optimize bandwidth utilization**, offer a local DNS cache (Cloud Box), keep public IPs clean, and offer multi-threading by allowing differentiated policies.

Features	Lite	Premium
 <b>Parental Control</b>	✓	✓
 <b>Protection against malware</b>	✓	✓
 <b>Geoblocking &amp; Safe Search engine</b>	✓	✓
 <b>Traffic reporting and analysis</b>	✓	✓
 <b>Compliant with regulations</b>	✓	✓
 <b>App Blocker</b>		✓
 <b>IP - Blocking</b>		✓
 <b>On-premise local DNS cache</b>		✓
 <b>Premium support with remote assistance</b>		✓
 <b>Data export</b>		✓
 <b>Personal RPZ blacklist</b>		✓







# ADVANCED FEATURES





# Artificial intelligence

Currently, **FlashStart's Artificial Intelligence** boasts:

- » **90% percentage** of correctly predicted domains;
- » blocks sites with insignificant content;
- » supports 24 languages;
- » + 10 recognized alphabets;





# Malware protection

«42% of computers are vulnerable to malware.»

- » + than **1 million** malware are blocked every day.
- » + than **190 million** sites already surveyed.
- » **Blocking capabilities** for new domains deemed dangerous.
- » **Updating** lists of suspicious and dangerous domains in real time.

Threat Protection		16 / 40 blocked		
		Always Allow	Always Block	Schedule blocks
▶	Malware & Threats	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
▶	Malware & Threats Community	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
▶	Newly registered domains	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
▶	Proxy Filter & Avoidance	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
▶	Frauds & Dangerous	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>



# Content filtering

» **AI continuously scans** the web and the new domains, classifying them into more than 100 categories;

» **prevents access:**

- social media
- online advertising
- adult sites
- gambling

» **filters** by time slot, user types or groups.

Content Filter		4 / 54 blocked		
	Always Allow	Always Block	Schedule blocks	
▶  Adult Content & Unwanted Websites	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
▶  Information Technology	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶  Work-Related	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶  Free time	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
▶  Ads & Trackers	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶  National Government Blacklists	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	

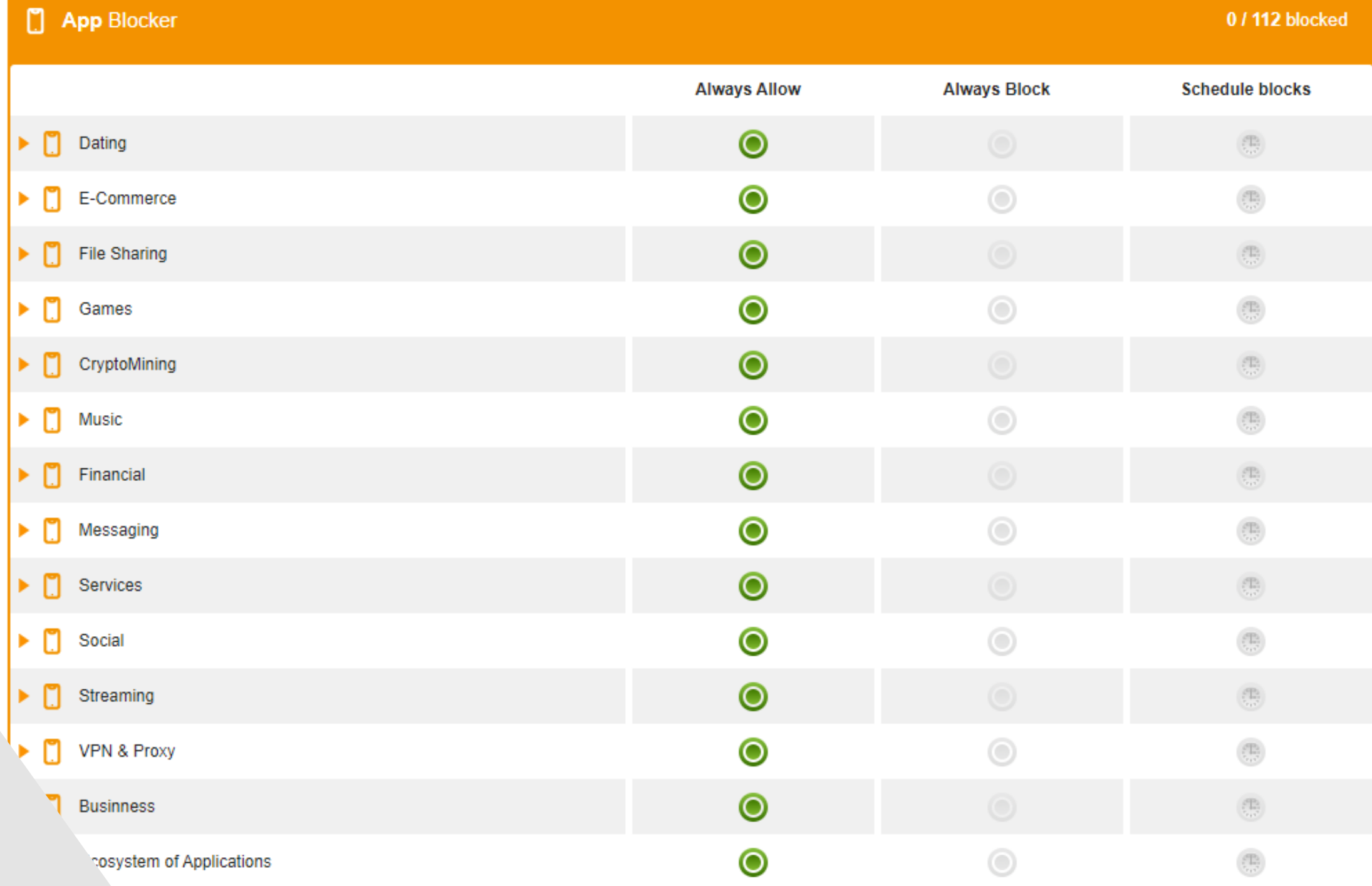


# APP Blocker

Through **blocking applications** it is possible to exclude such as:

- » video games
- » music
- » dating apps
- ...and much more.

We can **block apps** deemed most dangerous according to the user and unblock those deemed non-offensive.



The screenshot shows the 'App Blocker' interface with a header bar containing the title and '0 / 112 blocked'. Below the header is a table with four columns: 'App Blocker', 'Always Allow', 'Always Block', and 'Schedule blocks'. The table lists various app categories, each with a selection icon in the 'Always Allow' column and a clock icon in the 'Schedule blocks' column.

App Blocker	Always Allow	Always Block	Schedule blocks
Dating	<input checked="" type="radio"/>	<input type="radio"/>	
E-Commerce	<input checked="" type="radio"/>	<input type="radio"/>	
File Sharing	<input checked="" type="radio"/>	<input type="radio"/>	
Games	<input checked="" type="radio"/>	<input type="radio"/>	
CryptoMining	<input checked="" type="radio"/>	<input type="radio"/>	
Music	<input checked="" type="radio"/>	<input type="radio"/>	
Financial	<input checked="" type="radio"/>	<input type="radio"/>	
Messaging	<input checked="" type="radio"/>	<input type="radio"/>	
Services	<input checked="" type="radio"/>	<input type="radio"/>	
Social	<input checked="" type="radio"/>	<input type="radio"/>	
Streaming	<input checked="" type="radio"/>	<input type="radio"/>	
VPN & Proxy	<input checked="" type="radio"/>	<input type="radio"/>	
Business	<input checked="" type="radio"/>	<input type="radio"/>	
ecosystem of Applications	<input checked="" type="radio"/>	<input type="radio"/>	

# Geo-blocking

FlashStart, in addition to protection based on system categories, has another unique weapon at its disposal: **geo-blocking**.

Technically, this is a geographical protection that prevents **DNS resolution** of sites when the corresponding IP address is physically located in one of the **countries selected by the network administrator**.

The screenshot displays the 'Geoblocking protection' interface. At the top, it shows '1 / 250 blocked'. Below this is a 'Geoblocking rules list' with a search bar. The list includes various regions, each with 'Allow' and 'Deny' radio buttons. The 'Russia e C.W. Stati ind.' region is expanded, showing a list of countries with their respective flags and status indicators.

Region	Allow	Deny
Antarctica	<input checked="" type="radio"/>	<input type="radio"/>
Asia	<input checked="" type="radio"/>	<input type="radio"/>
Baltics	<input checked="" type="radio"/>	<input type="radio"/>
Eastern Europe	<input checked="" type="radio"/>	<input type="radio"/>
Europe	<input checked="" type="radio"/>	<input type="radio"/>
IP not defined	<input checked="" type="radio"/>	<input type="radio"/>
Latin America and Caribbean	<input type="radio"/>	<input type="radio"/>
Middle East	<input type="radio"/>	<input type="radio"/>
North Africa	<input type="radio"/>	<input type="radio"/>
North America	<input type="radio"/>	<input type="radio"/>
Oceania	<input type="radio"/>	<input type="radio"/>
Russia and C.W. of Ind. States	<input type="radio"/>	<input checked="" type="radio"/>
Satellite connections	<input type="radio"/>	<input type="radio"/>
Subsaharan Africa	<input type="radio"/>	<input type="radio"/>

Country	Allow	Deny
Russia e C.W. Stati ind.	<input type="radio"/>	<input checked="" type="radio"/>
Armenia	<input type="radio"/>	<input checked="" type="radio"/>
Azerbaijan	<input type="radio"/>	<input checked="" type="radio"/>
Georgia	<input type="radio"/>	<input checked="" type="radio"/>
Kazakhstan	<input type="radio"/>	<input checked="" type="radio"/>
Kyrgyzstan	<input type="radio"/>	<input checked="" type="radio"/>
Moldova, Republic of	<input type="radio"/>	<input checked="" type="radio"/>
Russian Federation	<input type="radio"/>	<input checked="" type="radio"/>
Tajikistan	<input type="radio"/>	<input checked="" type="radio"/>
Turkmenistan	<input type="radio"/>	<input checked="" type="radio"/>
Uzbekistan	<input type="radio"/>	<input checked="" type="radio"/>



# Solutions for *every industry*

## **FlashStart's Partners**

- Resellers / MSP
- ISPs & WISPs
- Distributors & OEM

## **End-User served by Partners**

- Companies
- PA
- Schools & No profit





# SCORES





# Certification on IT Review Portals

FlashStart, a European company with an international flair is certified on the major cutting-edge technology review portals, managing to **compete with the big American giants**.

Our DNS Filter possesses excellent ease of use, a **competitive price/quality ratio and exceptional customer service**.



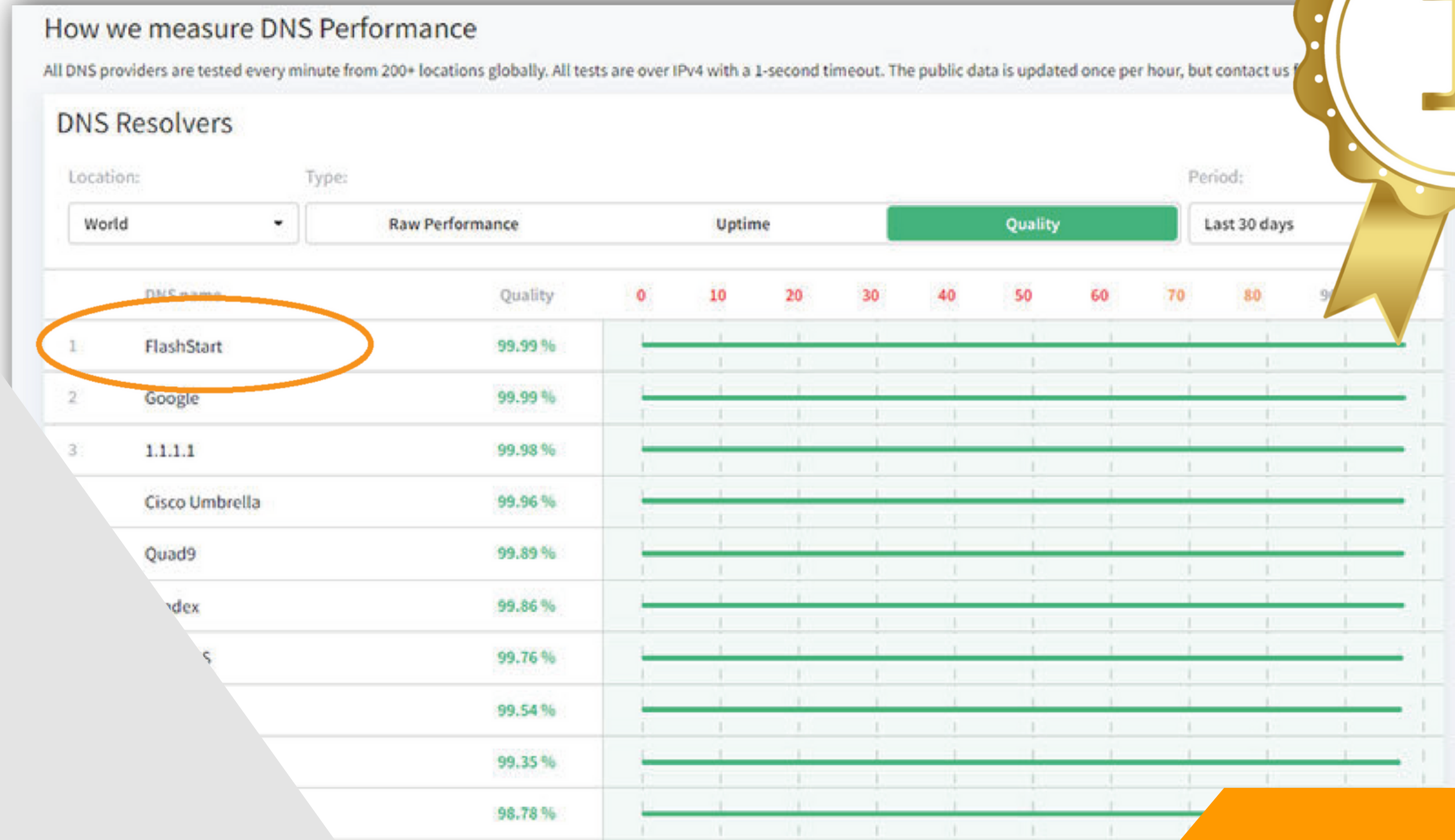
# DNS Resolver Global Leader in Quality



**FlashStart**, a European company with international flair is certified on the independent benchmark Dnsperf as the **#1 DNS Resolver in quality worldwide!**

Ahead of such great giants as:

- » **Google**
- » **1.1.1.1**



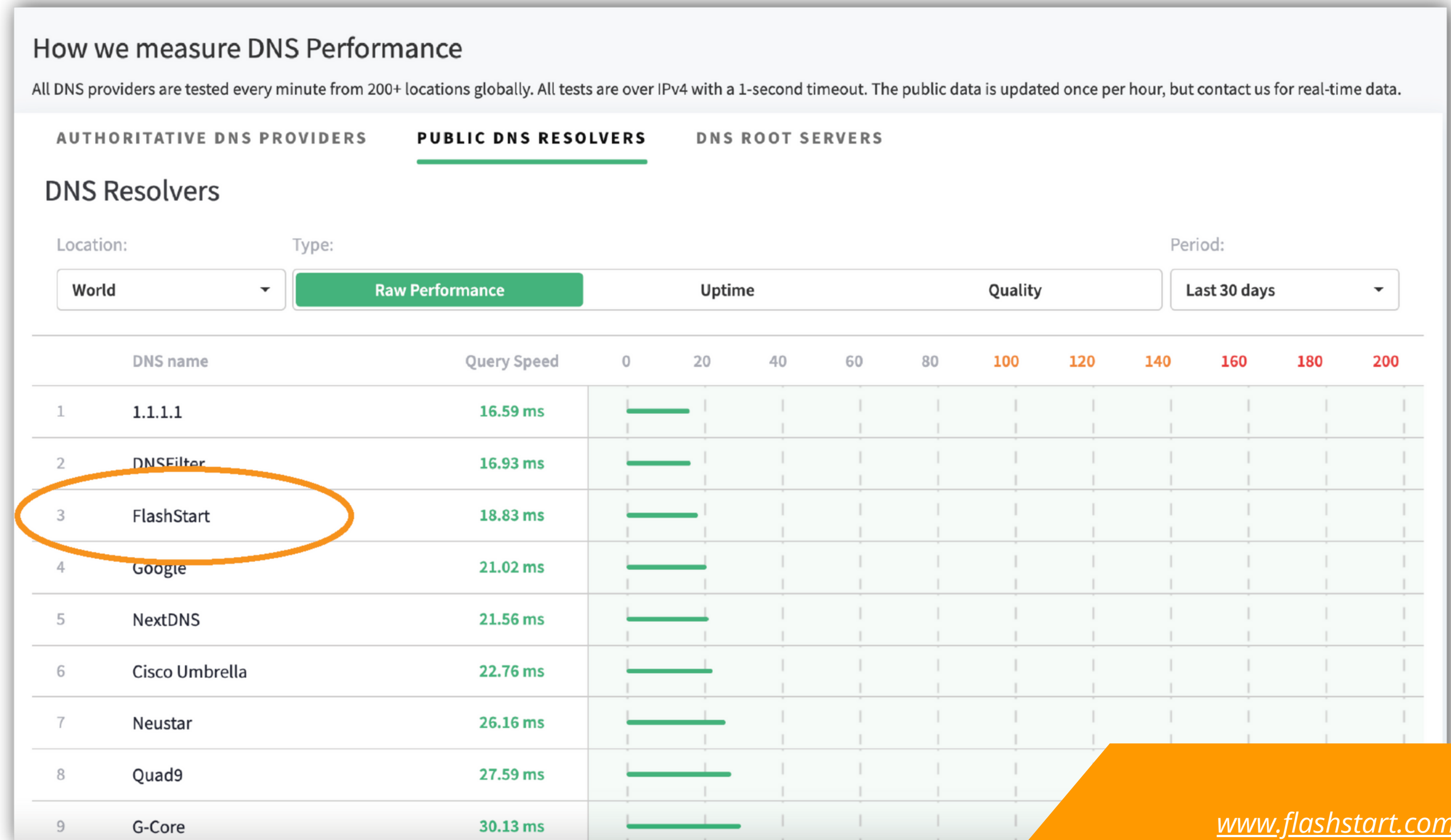


# Among Top 3 DNS Resolvers Fastest in the World

**FlashStart**, a European company with international flair is certified on the independent benchmark Dnsperf as among **the top 3 fastest DNS Resolvers worldwide!**

Ahead of such great giants as:

- » **Google**
- » **Cisco Umbrella**





## FlashStart Group

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